

Amendments to the Specification:

Please amend the specification as follows:

Please replace the paragraph starting at page 1, line 3, with the following rewritten paragraph:

The invention relates to a heating device for motor vehicles with an internal combustion engine and with a coolant circuit ~~according to the preamble of patent claim 1.~~

Please replace the paragraph starting at page 2, line 12, with the following rewritten paragraph:

~~The solution for achieving this object is derived from the features of patent claim 1.~~
According to an embodiment, [[By]] a pump wheel ~~is~~ [[being]] integrated into the cooling chamber of the heating device, through which cooling chamber the coolant has flowed, the coolant-side pressure drop of this additional heating device is minimized. The pump wheel is driven via the drive shaft, on which the rotor is also fastened, and therefore has a favorable drive efficiency. The structural and cost-related outlay for the pump wheel is low, that is to say there are scarcely any additional costs for the heating device. Moreover, the arrangement of the pump wheel in the cooling chamber permits a streamlined flow through the cooling chamber and consequently an effective transmission of heat to the coolant.

Please replace the paragraph starting at page 2, line 12, with the following rewritten paragraph:

~~Further advantageous refinements of the invention may be gathered from the subclaims.~~ According to further embodiments ~~these~~, the pump wheel is mounted rotatably on a protuberance of the cooling jacket coaxially to the drive shaft, specifically in alignment with the coolant inlet connection piece, so that the flow impinges onto the pump wheel axially. The cooling chamber and heat generation chamber are separated hermetically from one another, and the drive from the drive shaft to the pump wheel therefore takes place contactlessly, that is to say magnetically. For this purpose, permanent magnets are arranged both on the shaft end of the drive shaft and in the hub of the pump wheel, so that the magnetic

field rotating due to the rotation of the drive shaft takes up the pump wheel. The magnetic lines in this case pass through the thin wall of the nonmagnetizable material of the protuberance. The pump wheel may alternatively also be produced from a magnetizable plastic, so that equipping it with permanent magnets may be dispensed with.